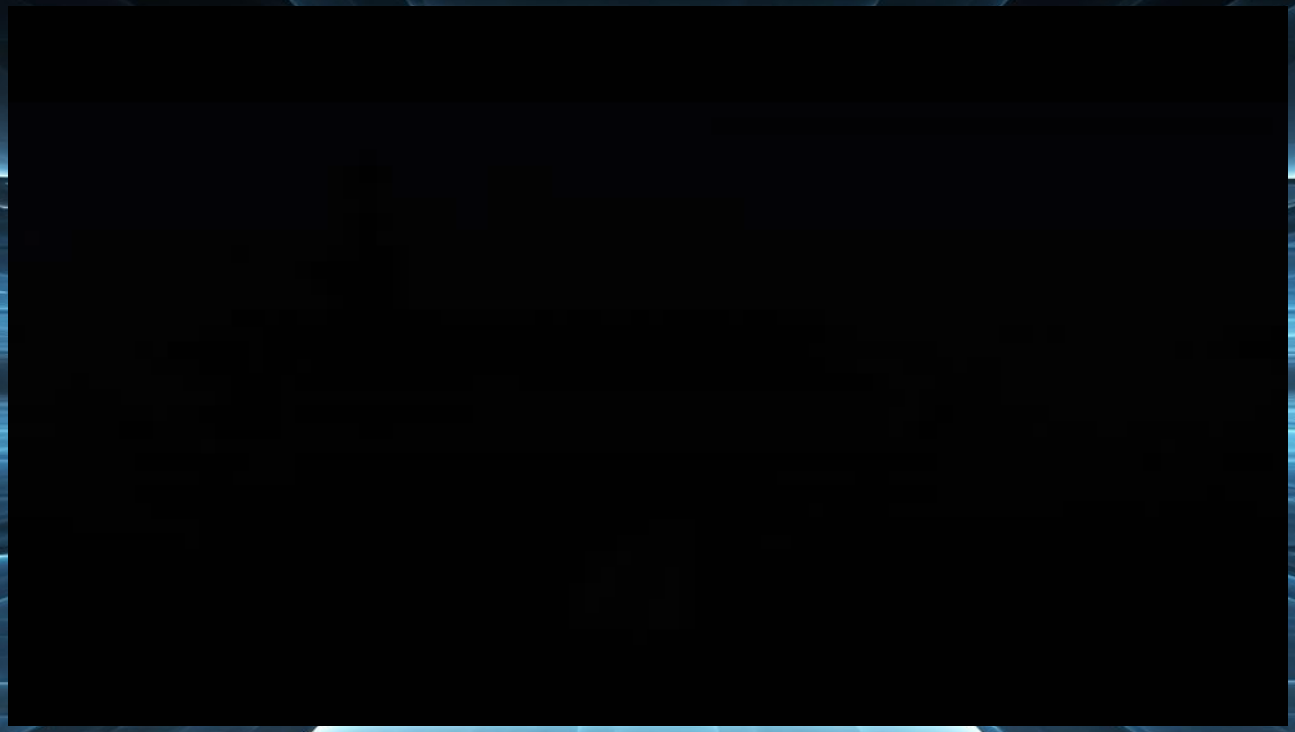
NAVAL NUCLEAR POWER

RECRUITER INFO HERE:

AMERICA'S NAVY
A GLOBAL FORCE FOR GOOD.™

Feel The Rush!

NRD NY



Opportunities in the Nuclear Field

ADVANCEMENT

- Join the Navy as an E-3
- Advancement to E-4 within 6 months
- Auto-advancement to E-5 when you re-enlist

2014 Basic Military Pay Chart

Pay Grade	Years of Service				
	Under 2	Over 2	Over 3	Over 4	Over 6
E-9					
E-8					
E-7	2752	3004	3119	3272	3391
E-6	2381	2620	2735	2848	2965
E-5	2181	2327	2440	2555	2735
E-4	2000	2102	2216	2328	2427
E-3	1805	1919	2035	2035	2035
E-2	1717	1717	1717	1717	1717
E-1	1532	1532	1532	1532	1532
E-1 with less than 4 months of service	1417				

YOU

THEM

BASIC

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YOU

THEM

6 MONTHS

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YOU → E-4 Over 2: 2102

THEM → E-2 Over 2: 1717

2 YEARS

BUT WAIT, THERE'S MORE…

- $11,000 Enlistment bonus
- $150/$375 Bonus each month
- Re-enlistment bonuses
  - $75,000 - $90,000 each time

EDUCATION

MORE FOR LESS!!

PRIDE

Do you know how hard it is to make it into this program?

EST Score ASVAB Score NAPT Score

Security Screening Medical Screening

Character Screening Background Checks

- And when all that is done, this information is submitted to somebody who doesn't even know you to make a snap judgment of your potential ability to succeed in the program.
- If you somehow make it this far, this is a once in a lifetime opportunity that could potentially be lost.

And you don't even have the job yet…

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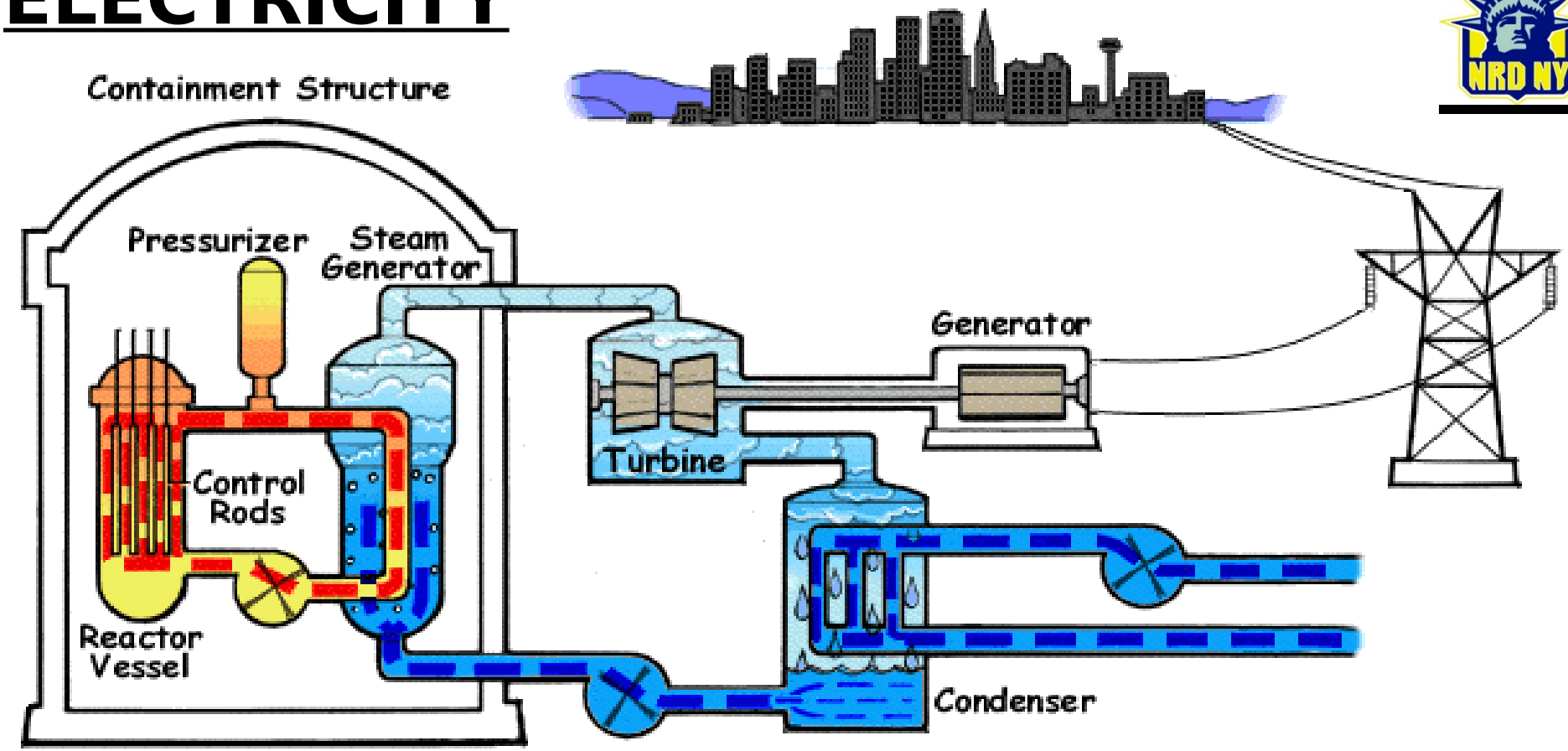
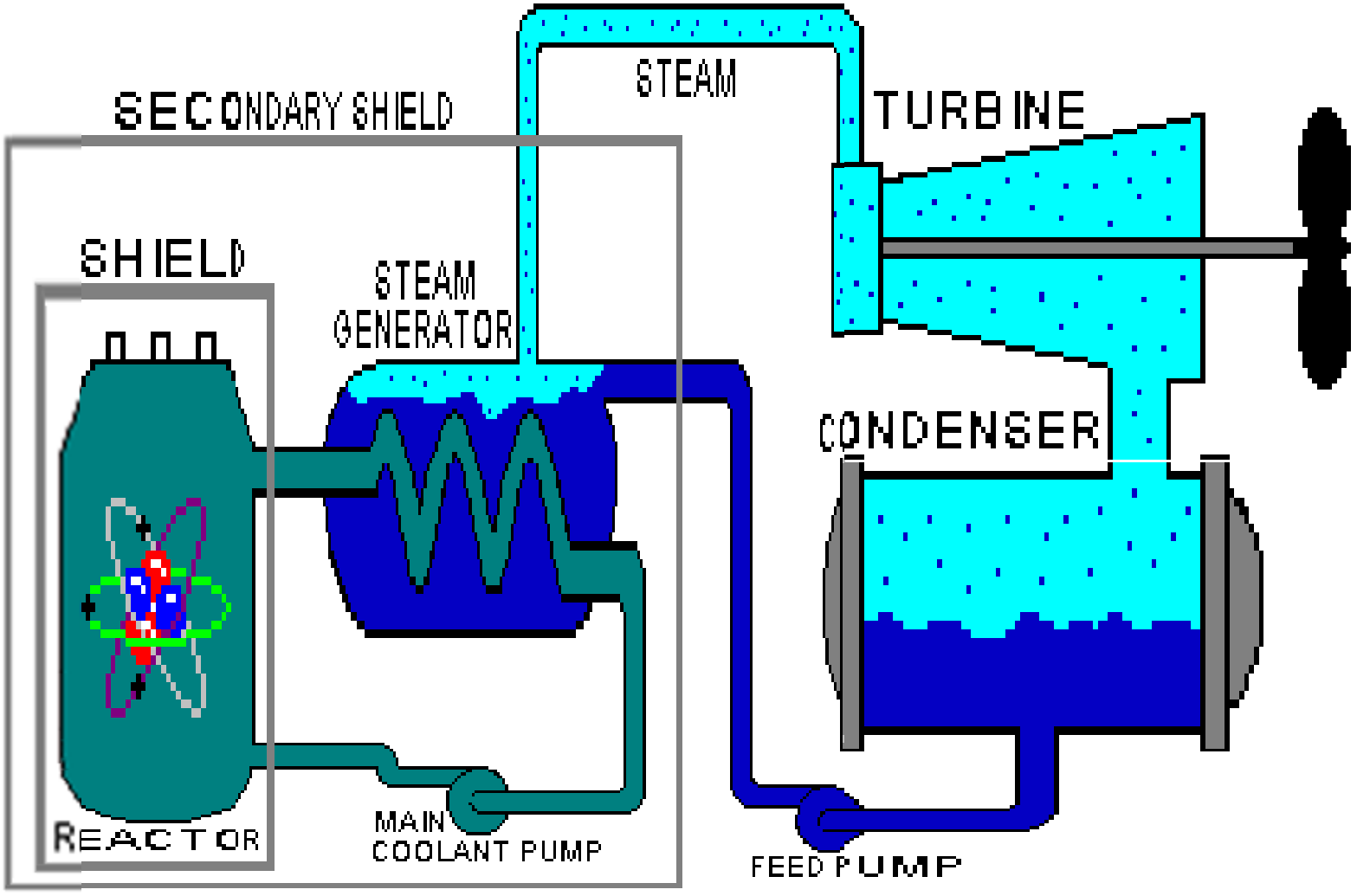
NRD NY
HOW IT WORKS…

ELECTRICITY



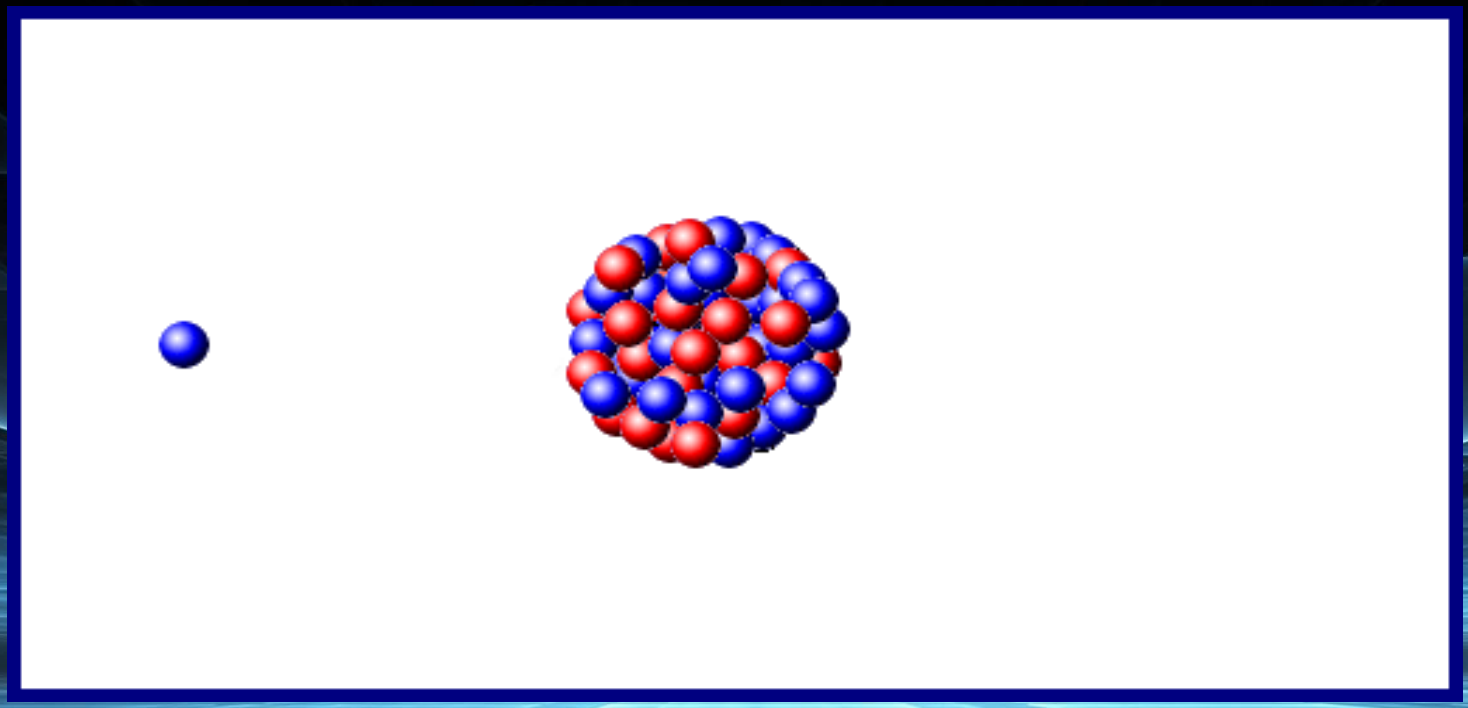
- Heat boils water and turns into steam. Steam is then used to spin turbine blades to create electricity. Some of the steam condenses back into water and with the help of a condensate pump returns back to the boiler. The cycle continues again to create electricity

PROPULSION



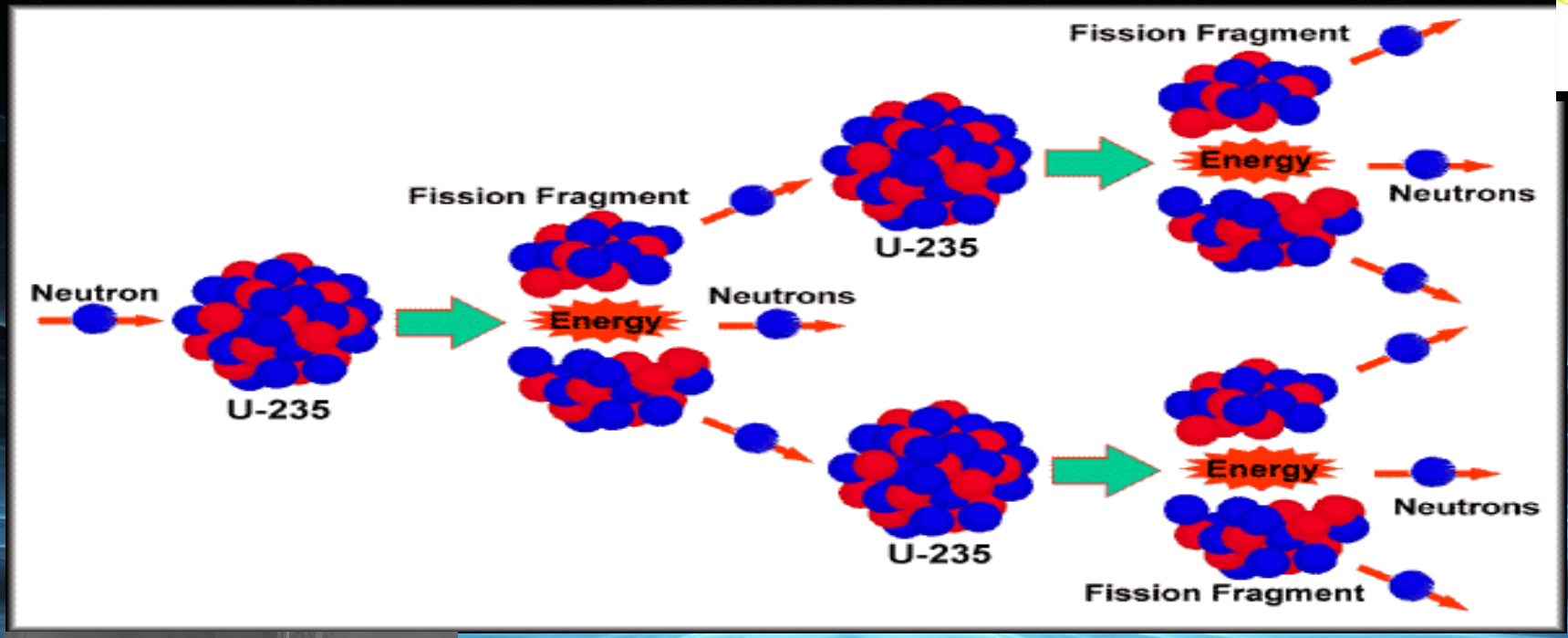
PRESSURIZED WATER REACTOR

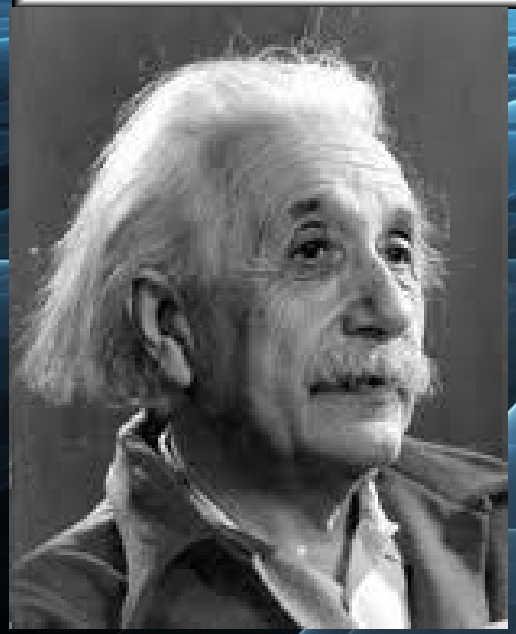
Where does the heat come from?



Fission is a very important role in creating nuclear power. When a neutron interacts with a U-235 nucleus, it splits. Fission fragments and other neutrons are emitted from the interaction.

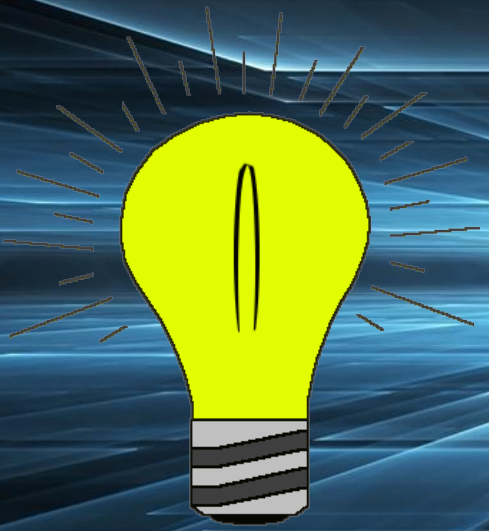
What famous scientist explained how this creates heat?





- **Mass** can neither be created nor destroyed, only altered in form.
- **Energy** can be converted to mass and mass can be converted to energy.
- After atoms fission/fusion, there is always less mass than there was at

Power Comparison

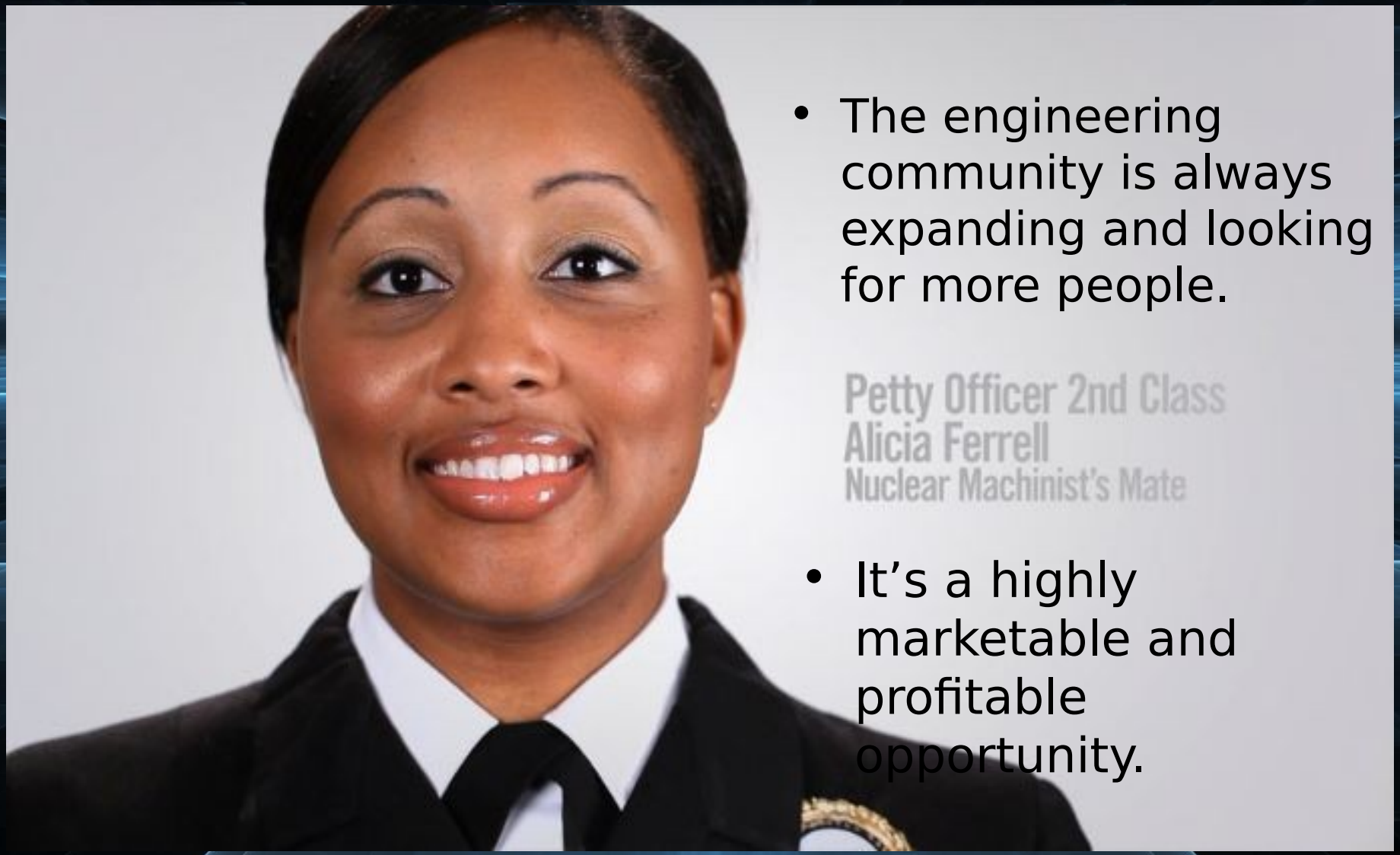


- **Coal**
  - **1 pound gives**
  - **1 kW/hr**
- **Uranium 235**
  - **1 ***pound*** gives 3,000,000 kW/hr !!!**

Why does the Navy need Nuclear Power?

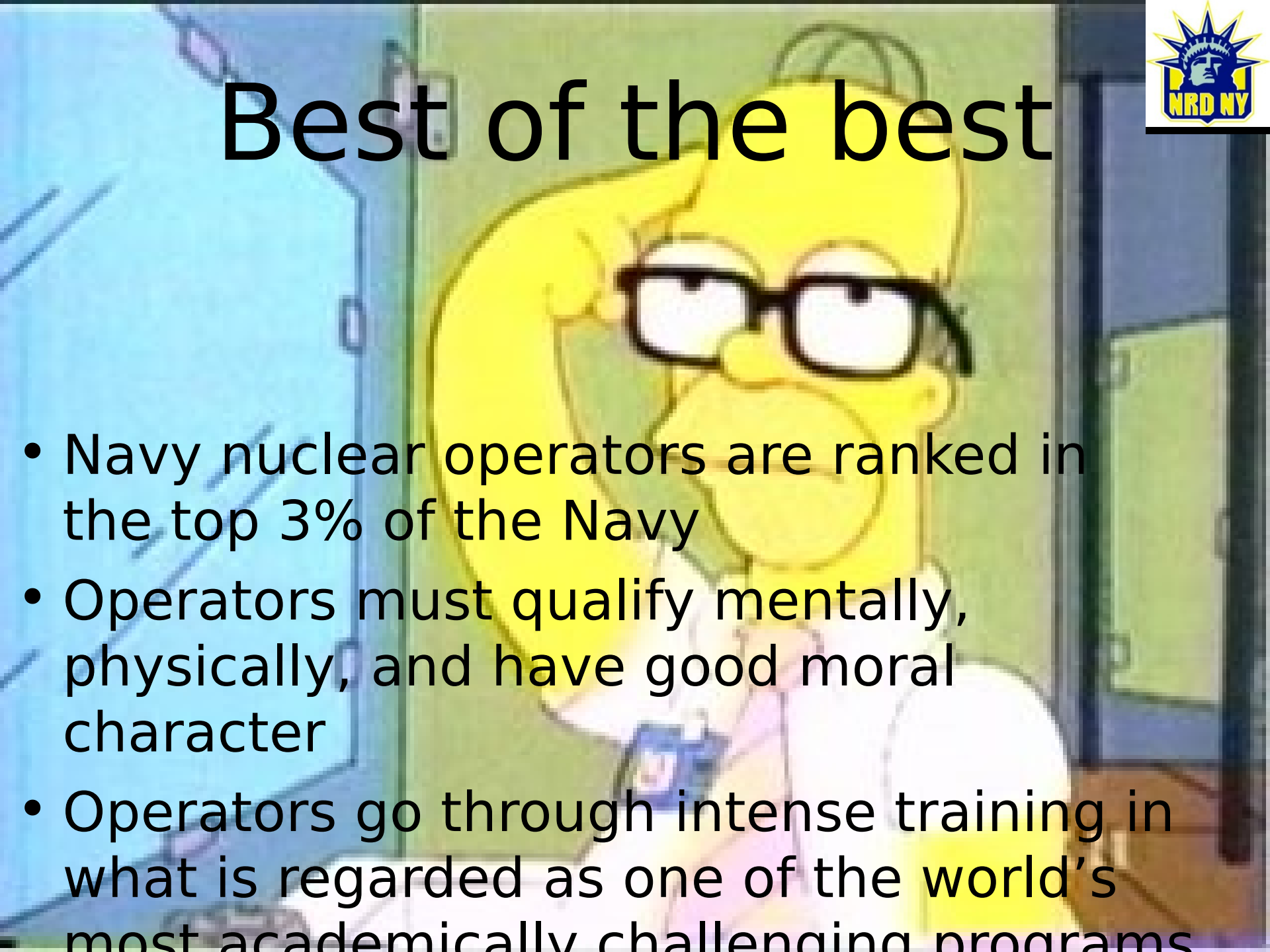
- Nuclear propulsion plays an essential role by providing the mobility and flexibility that is required to meet the Navy's growing number of missions.
- 1 ship can potentially last 40 years without ever refueling…
- Nuclear power:
  - Is Cleaner
  - Is Quieter
  - Lasts Longer

Why does Nuclear Power need you?



- The engineering community is always expanding and looking for more people.
- It’s a highly marketable and profitable opportunity.

Best of the best



- Navy nuclear operators are ranked in the top 3% of the Navy
- Operators must qualify mentally, physically, and have good moral character
- Operators go through intense training in what is regarded as one of the world's most academically challenging programs

Program Requirements

- ASVAB score of greater than 65
- U.S. Citizen
- No major civil/criminal violations
- Good grades in HS math classes (“C” or better)
- No heavy drug use
- Clear Financial history
- Less than 25 years of age
- Good moral character
- Coded as a “HSDG”, no HSG applicants are eligible for program

Navy Nuclear Power Program Reputation

- In the 60 + years of operation the Naval Nuclear Program has never had a Nuclear accident/incident.
- Examples:
  - Chernobyl
  - 3 Mile Island
  - Japan

NPTC- Navy Nuclear Power Training Command

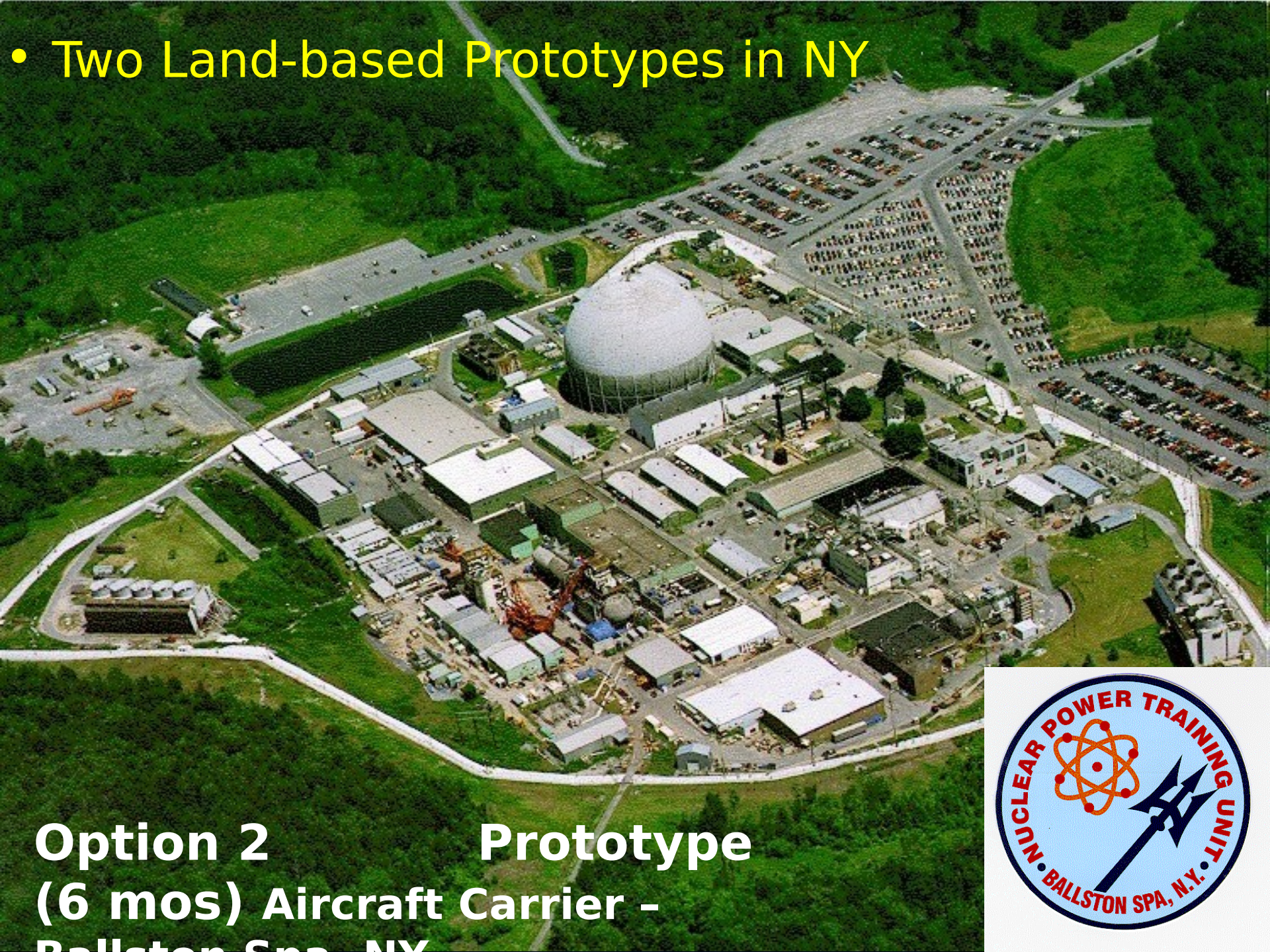
Navy Power Training Unit

Option 1 Prototype (6 mos)

Submarine – Charleston, SC

$2000.00 – E-4; $960.00 – Housing;

- Two Land-based Prototypes in NY



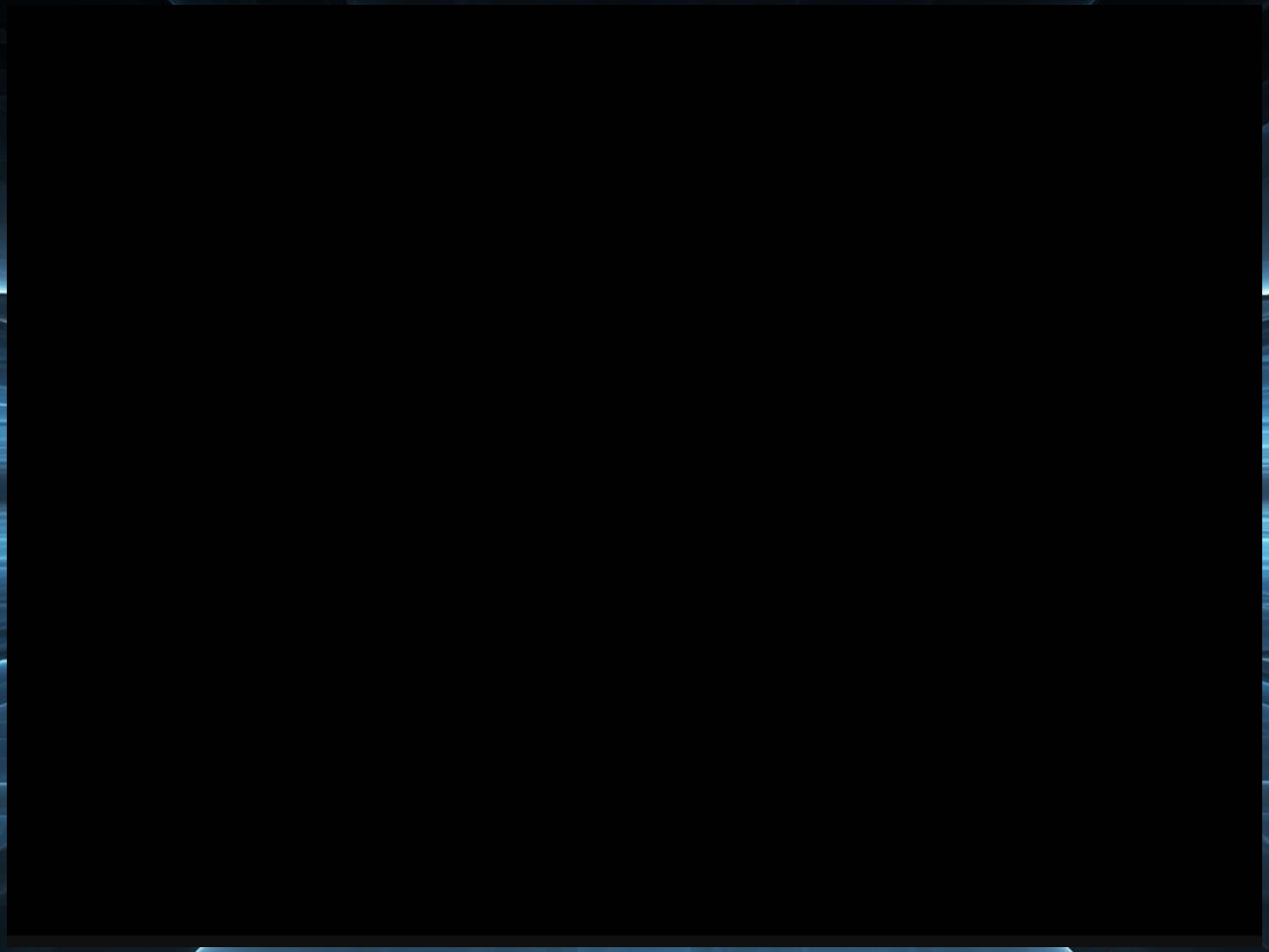
Option 2 (6 mos) **Prototype Aircraft Carrier – Ballston Spa, NY**

NUCLEAR POWER TRAINING UNIT • BALLSTON SPA, N.Y. •

Power Plant Salary

- General starting salary:
  - $60,000 - $80,000 a year + Bonuses
- After training salary:
  - $90,000 - $120,000 a year + Bonuses
- Not trapped to Nuclear Power: Conventional and manufacturing plants will also hire you for your training.

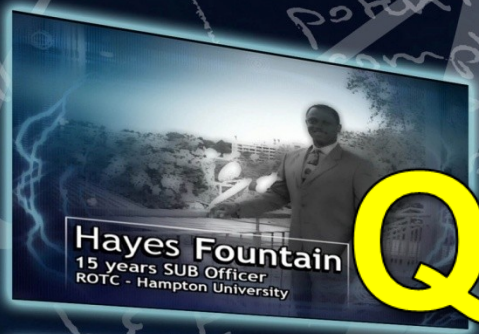
Video...

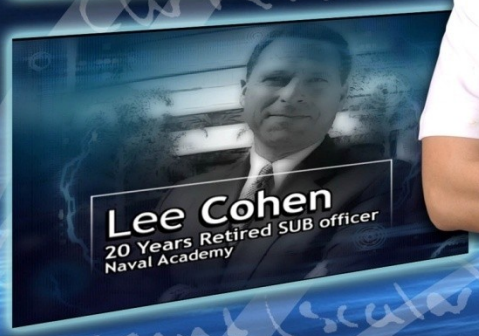


Cool Websites

- www.navy.com/nuclear
- https://www.netc.navy.mil/nnptc/
- https://www.netc.navy.mil/centers/nptu/
- http://www.facebook.com/NavyNuclear

QUESTIONS?





NUCLEAR PROPULSION

RECRUITER INFO HERE:

To learn more about Navy efforts around the world, go to navy.com

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